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NEWS.

PROFESSOR L. H. BAILEY has returned from Europe before completing his proposed year abroad.

THE PENN PUBLISHING COMPANY announces a booklet by Mrs. Julia McNair Wright to be called *The story of plant life*.

MR. E. O. WOOTON has been appointed professor of botany at the New Mexico Agricultural College and Experiment Station.

FROM *Erythea* we learn that Dr. Marshall A. Howe has nearly completed an illustrated monograph of Californian Hepaticæ.

HENRY HOLT & Co. announce for publication this fall an elementary botany by Professor George F. Atkinson, of Cornell University.

PROFESSOR STANLEY COULTER, of Purdue University, who spent most of the time of his vacation trip in the botanical laboratory at Bonn, has returned to his home.

DR. CHARLES R. BARNES was elected vice president, and chairman of section G (botany), A. A. A. S., for the fifty-first meeting, which is to be held at Columbus, Ohio.

PROFESSOR A. F. W. SCHIMPER, of the University of Bonn, has been called to Basel as the successor of Professor Dr. George Klebs, who goes to the University of Halle.

MR. F. O. GROVER, of Harvard University, has been appointed instructor in botany in Oberlin College to succeed Professor H. L. Jones, whose untimely death we chronicled last month.

THE ENGLISH TRANSLATION of Dr. Franz Lafar's *Technical mycology*, already published in England, is announced for fall publication by the Lippincott Company, of Philadelphia.

DR. O. BREFELD, director of the Botanical Garden and Institute at Münster, has been unanimously called to the University of Breslau, to succeed the late Dr. Ferdinand Cohn.

DR. O. LOEW, of Munich, has accepted a call to the Department of Agriculture at Washington. He brings to the department his thorough knowledge and high reputation as a chemist devoted to the problems of plant physiology. The department is to be congratulated upon procuring the

services of a man whose contributions to chemical physiology are so widely and favorably known.

MRS. WILLIAM STARR DANA is shortly to add another work to the series of which she is author. This one is to be entitled *How to know ferns*. It will be published by Charles Scribner's Sons.

THE UNIVERSITY OF ABERDEEN has received a legacy of £15,000 for founding the Cruickshank Botanical Garden. The director of the garden will be James W. Traill, professor of botany in the university.

MR. W. T. SWINGLE, who has been spending the year abroad, part of the time in the laboratory of Professor Pfeffer at Leipzig, will remain away several months longer before resuming his duties in the U. S. Department of Agriculture.

MR. M. A. CARLETON is now in Russia as an agent of the U. S. Department of Agriculture to study the cereals of that region. The results of his extended investigations upon the rusts of cereals were sent to press before his departure, and will be issued as a Bulletin of the Division of Vegetable Physiology and Pathology.

THE LLOYD MYCOLOGICAL MUSEUM was increased during 1897 by nearly a thousand named specimens, and a list of the species and donors is given in the third report of the museum just issued. Fleshy fungi, both dry and preserved in alcohol, are desired. Correspondence should be addressed to Mr. C. G. Lloyd, Cincinnati, Ohio.

DR. DANIEL MORRIS, assistant director of the Kew Botanical Gardens, has resigned this post to accept a government appointment as Imperial Commissioner of Agriculture for the British West Indies, having in charge the newly established "Botanical Department." We are not informed what the relations of the commissioner to the present garden directors is to be. *Natural Science* suggests that he "will not be welcomed with open arms by the many botanists in those parts, which already have an excellent botanical garden and staff in Jamaica." Dr. Morris sailed from England September 21st, for Barbadoes, where he will establish his headquarters.

THE BOTANICAL SOCIETY OF AMERICA elected the following officers for the coming year: *President*, Lucien M. Underwood, of New York; *Vice President*, Benjamin L. Robinson, of Cambridge; *Secretary*, George F. Atkinson, of Ithaca; *Treasurer*, C. Arthur Hollick, of New York; *Councillors*, Charles E. Bessey, of Lincoln, and Wm. P. Wilson, of Philadelphia. The following were elected members of the society: Robert A. Harper, University of Wisconsin, Madison; Edward A. Burt, Middlebury College, Middlebury, Vt.; Herbert J. Webber, Department of Agriculture, Washington, D. C.; L. H. Pammel, Iowa Agricultural College, Ames; Albert S. Hitch-

cock, Kansas Agricultural College, Manhattan; Herbert Maule Richards, Harvard University, Cambridge, Mass.; David G. Fairchild, Department of Agriculture, Washington, D. C.; David M. Mottier, University of Indiana, Bloomington.

THE MACMILLAN Co. announce for early publication two books by Professor L. H. Bailey, of Cornell University, one a *Text-book of Agriculture for Schools*, and the other a volume entitled *The Evolution of our Native Fruits*. Among their other volumes announced for the autumn is the one upon the *Evolution of Plants* by Dr. Douglas H. Campbell, of Leland Stanford University, and a new volume of the Rural Science series on the *Physiology of Plants* by Dr. J. C. Arthur, of Purdue University. Welcome information to physiologists, also, is the statement that a translation of Verworn's *Allgemeine Physiologie* is in preparation by Dr. F. S. Lee, adjunct professor of physiology in Columbia University.

THE STATE OF HAMBURG has just established at Freihafen a station for plant protection. Dr. C. Brick has been transferred from the Botanical Museum of Hamburg to the direction of this station, and Dr. L. Reh has been appointed zoologist. Occasion for the establishment of the station was afforded by necessary investigation of American fruits imported into Hamburg in order to protect orchards against the San José scale. Besides this, the station will look after the introduction of injurious insects with the shipments of living plants from abroad. Its duties will include, also, the combating of plant diseases, the oversight of the schools of viticulture, and the inspection of vineyards and orchards in the Hamburg region, together with such questions as arise in the prosecution of this work.

THE FIFTH annual meeting of the Botanical Society of America was held in the Rogers Building of the Massachusetts Institute of Technology, Boston, August 19-20, 1898. The sessions of the society on the 19th were devoted to business matters. The literary sessions on the 20th were presided over by president N. L. Britton. The address of the retiring president, John M. Coulter, in his absence, was read by Dr. B. M. Davis, and is published in full in this issue. The following papers were read before the society: Reducing division of the chromosomes in *Arisaema triphyllum*, by ring and tetrad formation during sporogenesis: *Geo. F. Atkinson*. Symbiotic saprophytism: *D. T. MacDougal*. Sporogenesis in *Trillium grandiflorum*: *Geo. F. Atkinson*. Forest distribution in New Jersey and its relation to geology: *Arthur Hollick*. The centrosphere in *Corallina*: *B. M. Davis*. Tetrad formation in *Tsuga Canadensis*: *W. A. Murrill*; presented by Geo. F. Atkinson. Notes on a *Helianthus* from Long Island: *N. L. Britton*. Preliminary note on fertilization in the white pine: *Miss M. C. Ferguson*; presented by invitation of the Council. A fossil moss from the state of Washington: *Mrs. E. G. Britton*.—G. F. A.